Serial No. 10/813,966 Enzymatic Cleanser Proposed New Claims 82 through 122

82. A non-toxic and environmentally safe cleanser for cleaning equipment and instruments which have bio-residue such as blood and other body fluids adhered thereto in a dried state, said non-toxic cleanser consisting of the following components;

sodium formate,

sodium tripolyphosphate,

sodium xylene sulfonate,

alkoxylated isopropanolamide,

sodium alkane sulfonate, sodium capryl mixture,

protease enzyme, and

amylase enzyme.

83. A cleanser as in claim 82 wherein said water component is from 64% to

68% by weight.

- 84. A cleanser as in claim 82 wherein said sodium formate component is from 1% to 2% by weight.
- 85. A cleanser as in claim 82 wherein said sodium tripolyphosphate component is from 4 to 6^h by weight..
- 86. A cleanser as in claim 82 wherein said sodium xylene sulfonate component is from 9 to 11% by weight.
- 87, A cleanser as in claim 82 wherein said protease enzyme component is from 2 to 5% by weight.
- 88. A cleanser as in claim 82 wherein said amalyse enzyme component is from 1 to 3% by weight.
- 89. A cleanser as in claim 82 also comprising calcium chloride.
- 90. A cleanser as in claim 89 wherein said calcium chloride components is from 0.1 to 0.3 % by weight.
- 91. A cleaner as in claim 82 wherein said isopropanolamide component is from 9 to 11% by weight.
- 92. A cleaner as in claim 82 wherein said sodium alkane sulfonate and sodium capryl mixture is from 0.5 to 1.5% by weight.

- 93. A cleanser as in claim 82 and including a fragrance of 0.1% by weight.
- 93. A cleanser as in claim 82 wherein said water component is from 50 to 58% by weight.
- 94. A cleanser as in claim 82 wherein said sodium tripolyphosphate is from0.5 to 2.5% by weight.
- 95. A cleanser as in claim 82 and also comprising Laural Alcohol Alkoxylate.
- 96. A cleanser as in claim 95 wherein said Laural Alcohol Allkoxlate is from 3 to 5% by weight.
- 97. A cleanser as in claim 82 and including sodium borate decahydrate to improve long term enzyme stability.
- 98. A cleanser as in claim 82 wherein said decahydrate is from 1 to 2% by weight.
- 99. A cleanser as in claim 82 and also including 3 to 10% Propylene Glycol by weight.

- 100. A cleanser as in claim 82 and also including 0.1% of Propylparaben as a preservative.
- 101. A cleanser as in claim 82 and also including 0.1% Methyparaben as a preservative.
- 102. A method of making a non-toxic and environmentally safe cleanser for for equipment and instruments which have no bio-residue attached thereto, said method comprising

Adding and mixing the following ingredients,

water.

sodium formate,

sodium tripolyphosphate

sodium xylene sulfonate,

alkoxylated isopropanolamide,

a mixture of sodium alkane sulfonate and sodium capryl,

protease enzyme,

and amylease enzyme,

Mixing all the aforesaid ingredients until all solids are dissolved.

- 103. A method as in claim 102 wherein said water is from 64 to 68% by weight.
- 104. A method as in claim 102 wherein said sodium sulfonate is 1 to 2% by weight.
- 105. A method as in claim 102 wherein said sodium tripolyphosphate is present from 4 to 6% by weight.
- 106. A method as in claim 102 wherein said sodium xylene sulfonate is from 9 to 11% by weight.
- 107. A method as in claim 102 wherein said protease enzyme is from 3 to 5% by weight.
- 108. A method as in claim 102 wherein said amylase enzyme is from 1 to 3% by weight.
- 109. A method as in claim 102 wherein said cleanser also includes calcium chloride from 0.1 to 0.3% weight.
- 110. A method as in claim 102 wherein said sodium alkane sulfonate and

sodium capryl mixture and isopropanolamide are first combined and then added to the previously mixed ingredients.

- 111. A method as in claim 110 wherein said isopropanolamide is present from 9 to 11% by weight and said mixture is present from 0.5 to 1.5% by weight.
- 112. A method as in claim 102 and including a fragrance.
- 113. A method of cleaning instruments and equipment which have a bio residue thereon, said method comprising

immersing in and/or applying a non-toxic and environmentally safe composition consisting of the following components to said instruments and equipment,

water
sodium formate
sodium tripolyphosphate
sodium xylene sulfonate,
aldoxylated isoproppanolamide
a mixture of sodium alkane sulfonate and sodium capryl
protease enzyme, and

amylase enzyme.

by weight.

rinsing said equipment and instruments after cleaning.

- 114. A method as in claim 113 wherein said composition also includes calcium chloride. A method as in claim 113 wherein said water is from 64 to 68% by 115. weight. A method as in claim 113 wherein said sodium formate is from 1 to 2% 116. by weight. A method as in claim 113 wherein sodium xylene sulfonate is from 9 to 117. 11% by weight. A method as in claim 113 wherein said protease enzyme is from 3 to 5% 118. by weight. A method as in claim 113 wherein said amylase enzyme is from 1 to 3% 119.
- 120. A method as in claim 113 wherein said alkoxylated isopropanolamide is from 9 to 11% by weight and said sodium alkane sulfonate is from 0.5 to 1.5% by

weight.

- 121. A method as in claim 113 wherein said tripolyphosphate is from 4 to 6% by weight.
- 122. A method as in claim 113 also including a fragrance.